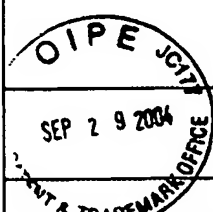
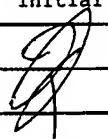
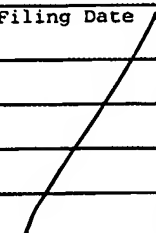
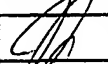
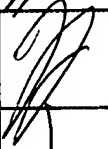

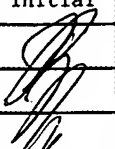
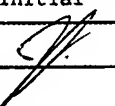

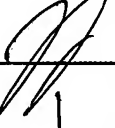


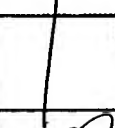



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	AA	2002/0172820	11/21/02	Majumdar et al.	428	357	
	AB	2002/0129761	9/19/02	Takami	117	73	
	AC	5,362,972	11/8/94	Yazawa et al	257	13	
	AD	5,332,910	7/26/94	Haraguchi et al.	257	13	
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	AF	Yasawa, M. et al., "Heteroepitaxial Ultrafine Wire-Like Growth of InAs on GaAs Substrates", <u>Appl. Phys. Lett.</u> , Vol. 58, No. 10, March 11, 1991, pp. 1080-1082.					
	AG	Haraguchi, K. et al., "GaAs p-n junction formed in quantum wire crystals", <u>Applied Physics Letters</u> , Vol. 60, No. 6, February 10, 1992, pp. 745-747					
	AH	Yazawa, M., et al., "Effect of one monolayer of surface gold atoms on the epitaxial growth of InAs nanowhiskers", <u>Applied Physics Letters</u> , Vol. 61, October 26, 1992, pp. 2051-2053.					
	AI	Yazawa, M., "Nanocolumns composed of GaAs-InAs jointed whiskers and SiO ₂ covers", <u>Applied Physics Letters</u> , Vol. 65, August 29, 1994, pp. 1157-1158					
	AJ	Sato, T., "Site-controlled growth of nanowhiskers", <u>Applied Physics Letters</u> , Vol. 66, January 9, 1995, pp. 159-161.					
	AK	Hiruma, K., et al., "Growth and optical properties of nanometer-scale GaAs and InAs whiskers", <u>Applied Physics Review</u> , Vol. 77, January 15, 1995, pp. 447-462.					
	AL	Hiruma K., et al., "Growth and Characterization of Nanometer-Scale GaAs, AlGaAs and GaAs/InAs Wires", <u>IEICE Trans. Electron.</u> , Vol. E77-C, No. 9, September 1, 1994, pp. 1420-1425.					
	AM	Hiruma, K. et al., "GaAs free-standing quantum-size wires", <u>Journal of Applied Physics</u> , Vol. 74, September 1, 1993, pp. 3162-3171.					
	AN	Haraguchi, K., et al., "Polarization dependence of light emitted from GaAs p-n junctions in quantum wire crystals", <u>Journal of Applied Physics</u> , Vol. 75, April 15, 1994, pp. 4220-4225.					
	AO	Hiruma, K., et al., "Self-organized growth of GaAs/InAs heterostructure nanocylinders by organometallic vapor phase epitaxy", <u>Journal of Crystal Growth</u> , Vol. 163, January 1, 1996, pp. 226-231.					
	AP	Lieber, C., "Nanowires as Building Blocks for Nanoscale Science and Technology", <u>Abstracts of Papers of the Amer. Chem Soc.</u> , Vol. 224, August 18, 2002, pp. 033-Comp Part 1.					
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Jerome G. Gocher 3/05

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	BA	6,190,634	2/20/01	Lieber et al.	423	439	
	BB	6,159,742	12/12/00	Lieber et al.	436	164	
	BC	5,997,832	12/7/99	Lieber et al.	423	249	
	BD	5,840,435	11/24/98	Lieber et al.	428	689	
	BE	5,252,835	10/12/93	Lieber et al.	250	492.1	
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	BF	WO 02/080280	10/10/02	WIPO			
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	BG	Duan, X., et al., "Laser-Assisted Catalytic Growth of Single-Crystal Compound Semiconductor Nanowires", <u>Abstracts of Papers of the Amer. Chem. Soc.</u> , Vol. 219, March 26, 2000, pp. 676-Inor Part 1.					
	BH	Duan, X. et al., "Laser Assisted Catalytic Growth of Semiconductor Nanowires for Nanoscale Electronic Optoelectronic Device Application", <u>Abstracts of Papers of the Amer. Chem. Soc.</u> , Vol. 221, April 1, 2001, pp. 644-Inor Part 1.					
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	BL	Duan, X. et al., "General Synthesis of Compound Semiconductor Nanowires", <u>Advanced Materials</u> , Vol. 12, No. 4, January 1, 2000, pp. 298-302.					
	BM	Duan, X., et al., "Synthesis and optical properties of gallium arsenide nanowires", <u>Applied Physics Letters</u> , Vol. 76, No. 9, February 28, 2000, pp. 1116-1118.					
	BN	Cui, Y., et al., "Diameter-controlled synthesis of single-crystal silicon nanowires", <u>Applied Physics Letters</u> , Vol. 78, No. 15, April 9, 2001, pp. 2214-2216.					
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	CB	5,196,396	3/23/93	Lieber	505	1	
	CC	6,716,409	4/6/04	Hafner et al.	423	447	
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*	CE	Gudiksen M.S., et al., "Diameter-selective synthesis of semiconductor nanowires", J. Am. Chem. Soc., Vol. 122, August 22, 2000, pp. 8801-8802.					
	CF	Gudiksen M., et al., "Size-Dependent Photoluminescence from Single Indium Phosphide Nanowires", <u>Journal of Physical Chemistry B</u> , Vol. 106, No. 16, March 30, 2002, pp. 4036-4039.					
*	CG	Duan, X., et al., "Laser-Assisted Catalytic Growth of Single Crystal GaN Nanowires", Journal of Amer. Chem. Soc., Vol. 122, No. 1, December 18, 1999, pp. 188-189.					
	CH	Huang, Y., et al., "Gallium Nitride Nanowire Nanodevices", <u>Nano Letters</u> , Vol. 2, No. 2, January 11, 2002, pp. 81-82.					
	CI	Lieber C., "Nanowire Superlattices", <u>Nano Letters</u> , Vol. 2, No. 2, January 25, 2002, pp. 82-82.					
	CJ	Duan, X., et al., "Nonvolatile Memory and Programmable Logic from Molecule-Gated Nanowires", <u>Nano Letters</u> , Vol. 2, No. 5, May 1, 2002, pp. 487-490.					
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DA		6,743,408	6/1/04	Lieber et al.	423	447.1	
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DB		WO 01/03208	1/11/01	WIPO			
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DC		Duan, X., et al., "Indium phosphide nanowires as building blocks for nanoscale electronic and optoelectronic devices", <u>Nature</u> , Vol. 409, January 4, 2001, pp. 66-69.					
DD		Gudiksen M., et al., "Growth of nanowire superlattice structures for nanoscale photonics and electronics", <u>Nature</u> , Vol. 415, February 7, 2002, pp. 617-620.					
DE		Lauhon, L., et al., "Epitaxial Core-Shell and Core-Multishell Nanowire Heterostructures", <u>Nature</u> , Vol. 420, No. 6911, November 7, 2002, pp. 57-61.					
DF		Duan, X., "Single-nanowire electrically driven lasers", <u>Nature</u> , Vol. 421, January 16, 2003, pp. 241-244.					
DG		Lieber, C., "The incredible shrinking circuit", <u>Sci. Am.</u> , Vol. 285, September 1, 2001, pp. 58-64.					
DH		Morales, A., et al., "A Laser Ablation Method for the Synthesis of Crystalline Semiconductor Nanowires", <u>Science</u> , Vol. 279, January 9, 1998, pp. 208-211.					
DJ		Cui Y., et al., "Functional Nanoscale Electronic Devices Assembled Using Silicon Nanowire Building Blocks", <u>Science</u> , Vol. 291, February 2, 2001, pp. 851-853.					
DK		Wang, J., et al., "Highly Polarized Photoluminescence and Photodetection from Single Indium Phosphide Nanowires", <u>Science</u> , Vol. 293, No. 5534, August 24, 2001, pp. 1455-1457.					
DL		Cui Y., et al., "Nanowire nanosensors for highly sensitive and selective detection of biological and chemical species", <u>Science</u> , Vol. 293, August 17, 2001, pp. 1289-1292.					
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Jason Johnson 3/05

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	EB	WO 97/31139	8/28/97	WIPO			
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	ED	Cui, Y., et al., "Doping and Electrical Transport in Silicon Nanowires", <u>The Journal of Physical Chemistry B</u> , Vol. 104, No. 22, May 11, 2000, pp. 5213-5216.					
	EE	Gudiksen M., et al., "Synthetic Control of the Diameter and Length of Single Crystal Semiconductor Nanowires", <u>The Journal of Physical Chemistry B</u> , Vol. 105, April 18, 2001, pp. 4062-4064.					
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	EG	Wong E., et al., "Nanobeam Mechanics: Elasticity, Strength, and Toughness of Nanorods and Nanotubes", <u>Science</u> , Vol. 277, September 26, 1997, pp. 1971-1975.					
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	EJ	Zwiller, V., et al., "Single quantum dots emit single photons at a time: Antibunching experiment", <u>Applied Physics Letters</u> , Vol. 78, No. 17, April 23, 2001, pp. 2476-2478.					
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	FC	Borgstrom, M., et al., "High peak-to-valley ratios observed in InAs/InP resonant tunneling quantum dot stacks", <u>Applied Physics Letters</u> , Vol. 78, No. 21, May 21, 2001, pp. 3232-3234.					
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	FE	Ohlsson B.J, et al., "Size-, shape-, and position-controlled GaAs nano-whiskers", <u>Applied Physics Letters</u> , Vol. 79, No. 20, November 12, 2001, pp. 3335-3337.					
	FF	Bjork, M.T., et al., "One-dimensional heterostructures in semiconductor nanowhiskers", <u>Applied Physics Letters</u> , Vol. 80, No. 6, February 11, 2002, pp. 1058-1060.					
	FG	Persson, M.P. et al., "Electronic Structure of Nanometer-Scale GaAs Whiskers", <u>Applied Physics Letters</u> , Vol. 81, No. 7, August 12, 2002, pp. 1309-1311.					
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	FI	Panev, N., et al., "Sharp Exciton Emission From Single InAs Quantum Dots in GaAs Nanowires", <u>Applied Physics Letters</u> , Vol. 83, No. 11, September 15, 2003, pp. 2238-2240.					
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	GG	Magnusson, M., et al., "Gold nanoparticles: Production, reshaping, and thermal charging", <u>Journal of Nanoparticle Research</u> , Vol. 1, January 1, 1999, pp. 243-251.					
	GH	Samuelson, L., "Self-Forming Nanoscale Devices", <u>Materials Today</u> , October 22, 2003, pp. 22-31.					
	GI	Ohlsson, B., et al., "Fabrication and characterization of III-V nanowhiskers", <u>MSS10 Conference - Austria</u> , July 23-27, 2001.					
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	IC	Murphy, C.J., et al., "Controlling the Aspect Ratio of Inorganic Nanorods and Nanowires", <u>Advanced Materials</u> , Vol. 14, No. 1, January 4, 2002, pp. 80-82.					
	ID	Wagner, R.S., et al., "Vapour-Liquid-Solid Mechanism of Single Crystal Growth", <u>Appl. Phys. Lett.</u> , Vol. 4, No. 5, March 1, 1964, pp. 89-90.					
	IE	Canham, L.T., "Silicon Quantum Wire Array Fabrication by Electrochemical and Chemical Dissolution of Wafers", <u>Appl. Phys. Lett.</u> , Vol. 57, September 3, 1990, pp. 1046-1048.					
	IF	Koga, T., et al., "Carrier Pocket Engineering Applied to Strained", <u>Appl. Phys. Lett.</u> , Vol. 75, October 18, 1999, pp. 2438-2440.					
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	IJ	Ferry, D.K., et al., "Transport in Nanostructures", <u>Cambridge University Press</u> , Hardcover, January 1, 1997, pp. 41-45.					
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	JD	Givargizov, E., "Growth of Whiskers by the Vapor-Liquid-Solid Mechanism", <u>Current Topics in Material Science</u> , edited by E. Kaldis, Chapter 3, Vol. 1, January 1, 1978, pp. 79-145.					
	JE	Mullins, J., "News analysis: using unusable frequencies", <u>IEEE Spectrum</u> , Vol. 39, No. 7, July 1, 2002, pp. 22-23.					
	JF	Randall, J.N., et al., "Quantum Dot Devices", in Norman G. Einspruch and William R. Frensley, eds., <u>Heterostructures and Quantum Devices</u> (San Diego, CA: Academic Pres, Inc., 1994) Copyright 1994, p. 420.					
	JG	Markowitz, P.D., et al., "Phase Separation in Al _{0.5} Ga _{0.5} As Nanowhiskers Grown by the Solution-Liquid-Solid Mechanism", <u>J. Am. Chem. Soc.</u> , Vol. 123, April 18, 2001, pp. 4502-4511.					
	JH	Hickmott, T.W., et al., "Negative Charge, Barrier Heights, and the Conduction-Band Discontinuity in Al _{0.5} Ga _{0.5} As Capacitors", <u>J. Appl. Phys.</u> , Vol. 57, April 15, 1985, pp. 2844-2853.					
	JI	Mathews, J., et al., "Defects in Epitaxial Multilayers", <u>J. Cryst. Growth</u> , Vol. 27, January 1, 1974, pp. 118-125.					
	JJ	Kovtyukhova, N., et al., "Layer-by-Layer Assembly Rectifying Junctions in and on Metal Nanowires", <u>J. Phys. Chem. B.</u> , Vol. 105, August 14, 2001, pp. 8762-8769.					
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	KC	Sakaki, H., "Scattering Suppression and High-Mobility Effect of Size-Quantized Electrons in Ultrafine Semiconductor Wire Structures", <u>Japanese Journal of Applied Physics</u> , Vol. 19, No. 12, December 1, 1980, pp. L735-L738.					
	KD	Scheibel, H. et al., "Generation of Monodisperse Ag- and NaCl Aerosols With Particle Diameters Between 2 and 300 nm", <u>Journal of Aerosol Science</u> , Vol. 14, No. 2, January 1, 1983, pp. 113-126.					
	KE	Knutson, E. et al., "Aerosol Classification by Electric Mobility: Apparatus, Theory, and Applications", <u>Journal of Aerosol Science</u> , Vol. 6, January 1, 1975, pp. 443-451.					
	KF	Miller, M. et al., "Serpentine Superlattice: Concept and First Results", <u>Journal of Crystal Growth</u> , Vol. 111, January 1, 1991, pp. 323-327.					
	KG	Bhat, R., et al., "Patterned Quantum Well Heterostructures Grown by OMCVD on Non-Planar Substrates: Applications to Extremely Narrow SQW Lasers", <u>Journal of Crystal Growth</u> , Vol. 93, January 1, 1988, pp. 850-856.					
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	KI	Givargizov, E.I., "Fundamental Aspects of VLS Growth", <u>Journal of Crystal Growth</u> , Vol. 31, January 1, 1975, pp. 20-30.					
	KJ	Derycke, V., et al., "Carbon Nanotube Inter- and Intramolecular Logic Gates", <u>Nano Letters</u> , Vol. 1, No. 9, August 26, 2001, pp. 453-456.					
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	LC	Iijima, S., "Helical microtubules of graphitic carbon", <u>Nature</u> , Vol. 354, November 7, 1991, pp. 56-58.					
	LD	Yao, Z., et al., "Carbon Nanotube Intramolecular Junctions", <u>Nature</u> , Vol. 402, November 18, 1999, pp. 273-276.					
	LE	Bennett, C., et al., "Quantum information and computation", <u>Nature</u> , Vol. 404, March 16, 2000, pp. 247-255.					
	LF	Michler, P. et al., "Quantum correlation among photons from a single quantum dot at room temperature", <u>Nature</u> , Vol. 406, No. 6799, August 31, 2000, pp. 968-970.					
	LG	Chow, E., et al., "Three-dimensional control of light in a two-dimensional photonic crystal slab", <u>Nature</u> , Vol. 407, October 26, 2000, pp. 983-986.					
	LH	Venkatasubramanian, R., et al., "Thin-Film Thermoelectric Devices with High Room-Temperature Figures of Merit", <u>Nature</u> , Vol. 413, October 11, 2003, pp. 597-602.					
	LI	Bachtold, A., et al., "Scanned probe microscopy of electronic transport in carbon nanotubes", <u>Phys. Rev. Lett.</u> , Vol. 84, No. 26, June 26, 2000, pp. 6082-6085.					
	LJ	Hicks, L.D. et al., "Thermoelectric Figure of Merit of a One-Dimensional Conductor", <u>Phys. Rev. B</u> , Vol. 47, No. 24, June 15, 1993, pp. 16631-16634.					
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	MD	Reed, M.A., et al., "Observation of Discrete Electronic States in a Zero-Dimensional Semiconductor Nanostructure", <u>Physical Review Letters</u> , Vol. 60, No. 6, February 8, 1988, pp. 535-537.					
	ME	Kapon, E., et al., "Stimulated Emission in Semiconductor Quantum Wire Heterostructures", <u>Physical Review Letters</u> , Vol. 63, No. 4, July 24, 1989, pp. 430-433.					
	MF	Santori, C., et al., "Triggered Single Photons from a Quantum Dot", <u>Physical Review Letters</u> , Vol. 86, No. 8, February 19, 2001, pp. 1502-1505.					
	MG	Capasso, F., et al., "Quantum Cascade Lasers", <u>Physics Today</u> , May 1, 2002, pp. 34-40.					
	MH	Likharev, K.K., "Single-Electron Devices and their Applications", <u>Proceedings of the IEEE</u> , Vol. 87, No. 4, April 1, 1999, pp. 606-632.					
	MI	Han, W., et al., "Synthesis of Gallium Nitride Nanorods Through a Carbon Nanotube-Confined Reaction", <u>Science</u> , Vol. 277, August 29, 1997, pp. 1287-1289.					
	MJ	Zhang, Y., et al., "Heterostructures of Single-Walled Carbon Nanotubes and Carbide Nanorods", <u>Science</u> , Vol. 285, September 10, 1999, pp. 1719-1722.					
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	ND	Zhou, C.W., et al., "Modulated chemical doping of individual carbon nanotubes", <u>Science</u> , Vol. 290, November 24, 2000, pp. 1552-1555.					
	NE	Favier, F., et al., "Hydrogen Sensors and Switches from Electrodeposited Palladium Mesowire Arrays", <u>Science</u> , Vol. 293, September 21, 2001, pp. 2227-2231.					
	NF	Bachtold, A., et al., "Logic circuits with carbon nanotube transistors", <u>Science</u> , Vol. 294, November 9, 2001, pp. 1317-1320.					
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	NH	Service, R.F., "Nanowire Fabricators Earn Their Stripes", <u>Science</u> , Vol. 295, No. 5557, January 1, 2002, pp. 946-947.					
	NI	Awschalom, D.D. et al., "Spintronics", <u>Scientific American</u> , Vol. 286, No. 6, June 1, 2002, pp. 66-73.					
	NJ	Henning, P., et al., "Compositional information from amorphous Si-Ge multilayers using high-resolution electron microscopy imaging and direct digital recording", <u>Ultramicroscopy</u> , Vol. 66, January 1, 1996, pp. 221-235.					
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	PG	Wu, Y., et al., "Rational Synthesis of Inorganic Nanowires", <u>Abstracts of Papers in the Amer. Chem. Soc.</u> , Vol. 221, April 1, 2001, pp. 108-1ec Part 1.					
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	QE	Wu, Y., et al., "Superconducting MgB ₂ Nanowires", <u>Advanced Materials</u> , Vol. 13, No. 19, October 2, 2001, pp. 1487-1489.					
	QF	Huang, M., et al., "Catalytic Growth of Zinc Oxide Nanowires by Vapor Transport", <u>Advanced Materials</u> , Vol. 13, No. 2, January 16, 2001, pp. 113-116.					
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RF		Wu, Y., et al., "Inorganic Semiconductor Nanowires: Rational Growth, Assembly, and Novel Properties", <u>Chemistry-A European Journal</u> , Vol. 8, No. 6, March 15, 2002, pp. 1261-1268.					
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	SC	Johnson, J., et al., "Single Nanowire Lasers", <u>Journal of Physical Chemistry B</u> , Vol. 105, No. 46, October 23, 2001, pp. 11387-11390.					
	SD	Messer, B., et al., "Microchannel Networks for Nanowire Patterning", <u>Journal of the Amer. Chem. Soc.</u> , Vol. 122, No. 41, September 29, 2000, pp. 10232-10233.					
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	SJ	Johnson, J., et al., "Near-Field Imaging of Nonlinear Optical Mixing in Single Zinc Oxide Nanowires", <u>Nano Letters</u> , Vol. 2, No. 4, April 1, 2002, pp. 279-283.					
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	TI	Shimada et al., "Size, position and direction control on GaAs and InAs nanowhisker growth", <u>Superlattices and Microstructures</u> , Vol. 24, No. 6, December 1998, pp. 453-458					
	TJ	Shirai M., et al., "Gold cluster formation using an atomic force microscope and its applications to GaAs whisker growth", <u>Superlattices and Microstructures</u> , Vol. 24, No. 2, August 1998, pp. 157-162.					
	TK	Hiruma, K. et al., "GaAs and InAs Nanowire Growth Technology", <u>Proceedings of the Science and Technology of Atomically Engineered Materials</u> , October 30, 1995, pp. 563-570					
	TL	Westwater, J. et al., "Control of the size and position of silicon nanowires grown via the vapor-liquid-solid technique", <u>Japanese Journal of Applied Physics</u> , Part 1, October 1997, Vol. 36, pp. 6204-6209					

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Examiner Initial	Document Number	Date	Name	Class	Sub-class	Filing Date	
[Signature]	TA	2003/0200521	10/23/03	DeHon et al.	716	16	
	TB	5,544,617	8/13/96	Terui et al.	117	87	
	TC	5,858,862	1/12/99	Westwater et al.	438	503	
	TD	5,976,957	11/2/99	Westwater et al.	438	478	
	TE	6,130,142	10/10/00	Westwater et al.	438	478	
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	TG	2003/0121764	7/3/03	Yang et al.	200	262	
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TI	2002/0172820	11/21/02	Majumdar et al.	428	357		
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	TJ	02/17362	2/28/02	WIPO			
	TK	03/053851	7/3/03	WIPO			
	TL	03/063208	7/31/03	WIPO			
	TM	0 443 920	8/28/91	Europe			abstract
	TN	2000-068493	3/3/00	Japan			abstract
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[Signature]	TP	O'Regan et al., "A Low-Cost, High-Efficiency Solar Cell Based on Dye-Sensitized Colloidal TiO ₂ Films", <u>Nature</u> , Vol. 353, October 24, 1991, pp. 737-740.					
	TQ	Jun et al., "Architectural Control of Magnetic Semiconductor Nanocrystals", <u>J. Am. Chem. Soc.</u> , Vol. 124, No. 4, January 4, 2002, pp. 615-619.					
	TR	Manna et al., "Synthesis of Soluble and Processable Rod-, Arrow-, Teardrop-, and Tetrapod-Shaped CdSe Nanocrystals", <u>J. Am. Chem. Soc.</u> , Vol. 122, No. 51, December 1, 2000, pp. 12700-12706.					
	TS	Huang et al., "Directed Assembly of one-dimensional nanostructures into functional networks", <u>Science</u> , Vol. 291, January 26, 2001, pp. 630-633.					
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J. J. [Signature]

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[Signature]	UA	5,899,734	5/4/99	Lee	438	584	
	UB	2002/0175408	11/28/02	Majumdar et al.	257	734	
	UC	6,559,468	5/6/03	Kuekes et al.	257	14	
	UD	2002/0130311	9/19/02	Lieber et al.	257	1	
	UE	2003/0089899	5/15/03	Lieber et al.	257	9	
[Signature]	UF	2004/0213307	10/28/04	Lieber et al.	372	39	
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[Signature]	UN	Persson, "Heterointerfaces in III-V semiconductor nanowhiskers", <u>IEEE</u> , 2002, pp. 281-293.					
[Signature]	UO	Gao et al., "Self-Assembled Nanowire-Nanoribbon Junction Arrays of ZnO", <u>The Journal of Physical Chemistry</u> , Vol. 106, No. 49, November 12, 2002, pp. 12653-12658.					
	UP	Yan et al., "Dendritic Nanowire Ultraviolet Laser Array", <u>J. Am. Chem. Soc.</u> , Vol. 125, March 29, 2003, pp. 4728-4729.					
	UQ	Jun et al., "Controlled Synthesis of Multi-Armed CdS Nanorod Architectures Using Monosurfactant System", <u>J. Am. Chem. Soc.</u> , Vol. 123, May 5, 2001, pp. 5150-5151.					
[Signature]	UR	Poole et al., "Spatially Controlled, Nanoparticle-Free Growth of InP Nanowires", <u>Applied Physics Letters</u> , Vol. 83, No. 10, September 8, 2002, pp. 2055-2057.					
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	VF	Hiruma et al., "Quantum Size Microcrystals Grown Using Organometallic Vapor Phase Epitaxy", <u>Appl. Phys. Lett.</u> , Vol. 59, No. 4, July 22, 1991, pp. 431-433.					
	VG	Xia et al., "One-Dimensional Nanostructures: Synthesis, Characterization, and Applications", <u>Adv. Mater.</u> , Vol. 15, No. 5, March 4, 2003, pp. 353-389.					
	VH	Ozaki et al., "Silicon Nanowhiskers Grown on a Hydrogen-Terminated Silicon (111) Surface", <u>Applied Physics Letters</u> , Vol. 73, No. 25, December 21, 1998, pp. 3700-3702.					
	VI	Wu et al., "Growth, Branching, and Kinking of Molecular-Beam Epitaxial <110> GaAs Nanowires", <u>Applied Physics Letters</u> , Vol. 83, No. 16, October 20, 2003, pp. 3368-3370.					
	VJ	Grätzel, "Photoelectrochemical Cells", <u>Nature</u> , Vol. 414, November 15, 2001, pp. 338-344.					
	VK	Wang et al., "Nanocrystals Branch Out", <u>Nature Materials</u> , Vol. 2, June 2003, pp. 385-386.					
	VL	Manna et al., "Controlled Growth of Tetrapod-Branched Inorganic Nanocrystals", <u>Nature Materials</u> , Vol. 2, June 2003, pp. 382-385.					
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	VN	Hayakawa et al., "AlGaAs Nano-Meter Scale Network Structures Fabricated by Selective Area MOVPE", <u>Inst. Phys. Conf. Ser.</u> , No. 162, Chapter 8, October 12, 1998, pp. 415-419.					
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	WF	McAlpine et al., "Nanoimprint Lithography for Hybrid Plastic Electronics", <u>Nano Letters</u> , Vol. 3, No. 4, March 7, 2003, pp. 443-445.					
	WG	Bozovic et al., "Plastic Deformation in Mechanically Strained Single-Walled Carbon Nanotubes", <u>Physical Review B</u> , Vol. 67, January 22, 2003, pp. 033407-1 - 033407-4.					
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	WI	Yu et al., "Silicon Nanowires: Preparation, Device Fabrication, and Transport Properties", <u>J. Phys. Chem. B</u> , Vol. 104, No. 50, November 23, 2000, pp. 11864-11870.					
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	WN	Krost et al., "InP on Si(111): Accommodation of Lattice Mismatch and Structural Properties", <u>Appl. Phys. Lett.</u> , Vol. 64, No. 7, February 7, 1994, pp. 769-771.					
	WO	Gorbach et al., "Growth of III-V Semiconductor Layers on Si Patterned Substrates", <u>Thin Solid Films</u> , Vol. 336, 1998, pp. 63-68.					
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	XF	Thornton et al., "A Photoemission Study of Passivated Silicon Surfaces Produced by Etching in Solutions of HF", <u>Semicond. Sci. Technol.</u> , Vol. 4, 1989, pp. 847-851.					
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	XK	Abramson et al., "Nanowire Composite Thermoelectric Devices", <u>Proceedings of IMECE2002, ASME International Mechanical Engineering Congress & Exposition</u> , November 17-22, 2002, pp. 7-11.					
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	XM	Greene et al., "Low-Temperature Wafer-Scale Production of ZnO Nanowire Arrays", <u>Angew. Chem. Int. Ed.</u> , Vol. 42, 2003, pp. 3031-3034.					
	XN	Choi et al., "Self-Organized GaN Quantum Wire UV Lasers", <u>J. Phys. Chem. B.</u> , Vol. 107, 2003, pp. 8721-8725.					
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	XQ	Ramvall et al., "Quantized Conductance in a Heterostructurally Defined Ga _{0.5} In _{0.5} As/InP", <u>Appl. Phys. Lett.</u> , Vol. 71, August 18, 1997, pp. 918-920.					
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George J. Kelly 3/85